



THREE SIZES OF ELECTROFORMED NICKEL TUBING



1/16" OD
x .040" ID

1/32" OD
x .004" ID

360 µm OD
x .001" ID

i CUSTOM ID/OD

Custom IDs/ODs are available upon request.

\$ PRICING PER FOOT

For pricing purposes, the length is rounded up to the next foot. For example, a 5" piece is charged as one foot; an 18" piece as two feet. The price per foot is based on the length of each piece, not the total quantity ordered. Cutting and cleaning charges are included in the price per foot for EFNi tubing.

↔ CONVERSIONS

0.05 mm ≈ .002"
0.10 mm ≈ .004"
0.12 mm ≈ .005"

0.25 mm ≈ .010"
0.50 mm ≈ .020"
0.75 mm ≈ .030"

1.0 mm ≈ .040"
1.5 mm ≈ .060"
2.0 mm ≈ .080"

4.6 mm ≈ .180"
6.0 mm ≈ .236"
6.4 mm ≈ .253"

7.0 mm ≈ .275"
10.0 mm ≈ .400"
27.0 mm ≈ 1.08"

1/32" ≈ 0.8 mm
1/16" ≈ 1.6 mm
1/8" ≈ 3.2 mm

1/4" ≈ 6.4 mm
3/8" ≈ 9.5 mm
1/2" ≈ 12.7 mm

ELECTROFORMED NICKEL TUBING

Our microbore EFNi tubing is made by electroplating nickel over a diamond-drawn mandrel in a continuous process. When the mandrel is removed, an internal surface with a mirror-like 1-2 microinch finish remains. The ductile nature of nickel allows the tubing to be easily manipulated. Unlike glass- or silica-lined stainless, EFNi can accept tight bends and cutting without heating, and does not release damaging glass fragments or silica particles.

COMPARISON OF INTERIOR FINISHES

A comparison of the interiors of commonly used tubing (below) shows the quality of the electroformed nickel tubing surface. (All photos are 500x magnification.) The rough interior surface of the mill-drawn Nickel 200 tubing has potential for carryover or cross contamination, and both the Nickel 200 and the stainless steel contain pits, voids, striations, and particles – problems which intensify as the ID decreases.



ELECTROFORMED NICKEL (EFNi)



NICKEL 200 ALLOY



TYPE 316 STAINLESS STEEL

COMPARISON OF INTERIOR FINISHES OF COMMONLY USED TUBING

360 µm OD EFNi tubing

CUSTOM LENGTHS

See pricing note in box at left.

Tubing ID	Prod No	Max length
.001"	TEFNI.101	1 foot
.002"	TEFNI.102	2 feet
.004"	TEFNI.104	20 feet
.005"	TEFNI.105	20 feet
.007"	TEFNI.107	20 feet

1/32" OD EFNi tubing

CUSTOM LENGTHS

See pricing note in box at left.

Tubing ID	Prod No	Max length
.002"	TEFNI.502	2 feet
.004"	TEFNI.504	20 feet
.005"	TEFNI.505	20 feet
.007"	TEFNI.507	20 feet
.010"	TEFNI.510	30 feet
.012"	TEFNI.512	30 feet
.015"	TEFNI.515	30 feet
.020"	TEFNI.520	30 feet

1/16" OD EFNi tubing

CUSTOM LENGTHS

See pricing note in box at left.

Tubing ID	Prod No	Max length
.020"	TEFNI120	30 feet
.030"	TEFNI130	50 feet
.040"	TEFNI140	50 feet



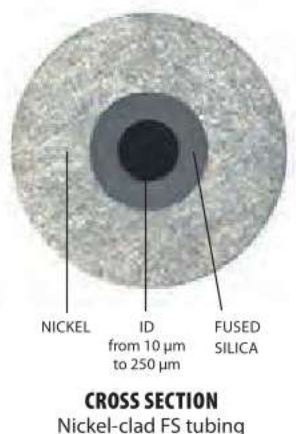
NICKEL-CLAD FUSED SILICA TUBING

- Inert, flexible transfer lines
- Improved heat transfer
- Thick wall version allows direct connection using metal ferrules
- Rated for up to 40,000 psi (dependant on size and plating thickness)

We take polyimide-coated fused silica (FS) and remove the polyimide layer. Then we electrochemically plate the FS with pure nickel. The resulting nickel-plated FS tube provides superior heat transfer to the FS lining, permitting use as a flexible transfer line with the best qualities of silica-lined stainless but with improved heat transfer and a shorter bend radius.

For high pressure applications, we recommend using our 316 stainless ferrules.

Nickel-clad fused silica tubing is available in IDs from 10 μm to 700 μm , permitting use of metal ferrules for improved leak-tight connections.



1/32" (800 μm) OD nickel-clad fused silica

Tubing ID	Prod No
10 μm	TNFS800010
15 μm	TNFS800015
20 μm	TNFS800020
25 μm	TNFS800025
50 μm	TNFS800050
100 μm	TNFS800100
180 μm	TNFS800180
250 μm	TNFS800250

1/16" OD nickel-clad fused silica

Tubing ID	Prod No
50 μm	TNFS1600050
75 μm	TNFS1600075
100 μm	TNFS1600100
200 μm	TNFS1600200
250 μm	TNFS1600250
300 μm	TNFS1600300
400 μm	TNFS1600400
500 μm	TNFS1600500
700 μm	TNFS1600700

t TECH TIP

For best results, order clad tubings in the precise length required. Clean cuts are difficult to achieve with the tools normally available.

i PRICING PER FOOT

For pricing purposes, the length is rounded up to the next foot. For example, a 5" piece is charged as one foot; an 18" piece as two feet. The price per foot is based on the length of each piece, not the total quantity ordered. Cutting and cleaning charges are included in the price per foot for TNF tubing.

t TECH TIP

VICI electrochemically plates fused silica tubing with pure nickel. This strengthens the tubing and allows direct connections using metal ferrules while maintaining the chemical benefits of the wetted surfaces inside.

↔ CONVERSIONS

50 μm	$\approx$.002"
75 μm	$\approx$.003"
100 μm	$\approx$.004"
125 μm	$\approx$.005"
150 μm	$\approx$.006"
180 μm	$\approx$.007"
205 μm	$\approx$.008"
250 μm	$\approx$.010"
305 μm	$\approx$.012"
380 μm	$\approx$.015"
510 μm	$\approx$.020"
760 μm	$\approx$.030"
1015 μm	$\approx$.040"
800 μm	$\approx$ 1/32"
1600 μm	$\approx$ 1/16"



NATURAL PEEK TUBING

PEEK tubing has the strength required to withstand continuous use at HPLC pressure without swelling or bursting, and is not affected by halide salts, high strength buffers, or other aggressive mobile phases that corrode stainless steel. The polymer surface will not leach metal ions into the eluent or extract metal-sensitive components from the sample. Note however that dichloromethane, THF, and DMSO may cause swelling in PEEK, and concentrated nitric and sulphuric acid will attack PEEK.

OD and ID tolerances for our PEEK tubing are ± 0.0005 " for 360 micron tubing; ± 0.001 " for 1/32" and 1/16" tubing; and ± 0.003 " for 1/8".



1/32" OD PEEK tubing

i MAXIMUM PRESSURE FOR PEEK TUBING

Tubing ID	Maximum Pressure
1/32"	
.0025"	6600 psi
.005"	6000 psi
.010"	5800 psi
.015"	3900 psi
1/16"	
.005"	6100 psi
.010"	5600 psi
.020"	4500 psi
.030"	3500 psi
1/8"	
.060"	3600 psi
.088"	2500 psi

Length	.0025" ID Prod No	.005" ID Prod No	.010" ID Prod No	.015" ID Prod No
5 meters	TPK.502-5M	TPK.505-5M	TPK.510-5M	TPK.515-5M
10 meters	TPK.502-10M	TPK.505-10M	TPK.510-10M	TPK.515-10M
25 meters	TPK.502-25M	TPK.505-25M	TPK.510-25M	TPK.515-25M

1/16" OD PEEK tubing

Length	.006" ID Prod No	.010" ID Prod No	.020" ID Prod No	.030" ID Prod No
5 meters	TPK106-5M	TPK110-5M	TPK120-5M	TPK130-5M
10 meters	TPK106-10M	TPK110-10M	TPK120-10M	TPK130-10M
25 meters	TPK106-25M	TPK110-25M	TPK120-25M	TPK130-25M

1/8" OD PEEK tubing

Length	.060" ID Prod No	.088" ID Prod No
5 meters	TPK260-5M	TPK288-5M
10 meters	TPK260-10M	TPK288-10M
25 meters	TPK260-25M	TPK288-25M

→ SEE ALSO

Polymeric tubing
 PTFE page 72
 FEP 72
 ETFE 72

i CUSTOM PEEK TUBING

We offer PEEK tubing custom-manufactured to meet your specific OD, ID, and color requirements. The OD range is .014" (360 micron) to 1/8", with a minimum ID of .002" for tubing up to 1/16" OD. (Maximum ID varies according to the OD.) Color coding can be solid or striped.

i PEEK TUBING ELBOWS

Tubing elbows (90° and 180°) are ideal for routing 1/16" PEEK tubing through an LC system. These elbows are proportioned to bend PEEK tubing at the optimum radius for maximum chemical resistance and burst pressure. Installation is simple – just snap the tubing into the elbow.



Package of 5:	Prod No
90° elbow	JR-357090-5
180° elbow	JR-357180-5



COLOR-CODED PEEK TUBING

Color-coded tubing helps you identify the ID of your PEEK tubing, since each ID is a different color. Use this tubing where maximum chemical resistance and biocompatibility are required. Tolerances are $\pm .002''$ on the OD and $\pm .001''$ on the ID.

1/16" OD Dual layer color-coded PEEK tubing CUSTOM LENGTHS

Our dual layer PEEK tubing eliminates any concern that a critical sample stream could be contaminated by pigments used to color code the tubing. It looks like any other color-coded tubing at first glance, but a closer look reveals that the pigmented layer* surrounds a separate but integrally-bonded inner layer of natural PEEK.

<i>Tubing ID</i>	<i>Color</i>	<i>bar</i>	<i>psi</i>	<i>Prod No</i>
.004"	Black	460	6700	JR-TD-5804
.005"	Red	420	6100	JR-TD-6007
.007"	Yellow	400	5800	JR-TD-6008
.010"	Blue	386	5600	JR-TD-6009
.020"	Orange	350	4500	JR-TD-6010
.030"	Green	240	3500	JR-TD-6011



*All colorants used in the manufacture of this tubing are RoHS-compliant (Restriction of Hazardous Substances)

**1/16" OD Striped color-coded PEEK tubing**

CUSTOM LENGTHS

A stripe* is added to the outside, so dye never contacts the fluid stream.

Specify the length required, in meters.

<i>Tubing ID</i>	<i>Color</i>	<i>bar</i>	<i>psi</i>	<i>Prod No</i>
.004"	Black	460	6700	JR-T-5804
.005"	Red	420	6100	JR-T-5999
.007"	Yellow	400	5800	JR-T-6000
.010"	Blue	386	5600	JR-T-6001
.020"	Orange	350	4500	JR-T-6002
.030"	Green	240	3500	JR-T-6003
.040"	Grey	165	2400	JR-T-60031

1/16" OD Solid color-coded PEEK tubing

CUSTOM LENGTHS

All colorants used in the manufacturing of this tubing are RoHS-compliant.

Specify the length required, in meters.

<i>Tubing ID</i>	<i>Color</i>	<i>bar</i>	<i>psi</i>	<i>Prod No</i>
.0025"	Natural	460	6700	JR-T-5998
.004"	Black	460	6700	JR-T-6020
.005"	Red	420	6100	JR-T-6007
.006"	Purple	410	5950	JR-T-6030
.007"	Yellow	400	5800	JR-T-6008
.010"	Blue	386	5600	JR-T-6009
.015"	Grey	365	5300	JR-T-6040
.020"	Orange	350	4500	JR-T-6010
.030"	Green	240	3500	JR-T-6011

**CONVERSIONS**

10 ft	≈	3.05 m
25 ft	≈	7.62 m
100 ft	≈	30.48 m
50 μm	≈	.002"
100 μm	≈	.004"
125 μm	≈	.005"
150 μm	≈	.006"
0.25 mm	≈	.010"
0.50 mm	≈	.020"
0.75 mm	≈	.030"
1.0 mm	≈	.040"
1.5 mm	≈	.060"
2.0 mm	≈	.080"
4.6 mm	≈	.180"
6.0 mm	≈	.236"
6.4 mm	≈	.253"
7.0 mm	≈	.275"
10.0 mm	≈	.400"
27.0 mm	≈	1.08"
1/32"	≈	0.8 mm
1/16"	≈	1.6 mm
1/8"	≈	3.2 mm
1/4"	≈	6.4 mm
3/8"	≈	9.5 mm
1/2"	≈	12.7 mm

*All colorants used in the manufacture of this tubing are RoHS-compliant (Restriction of Hazardous Substances)

Polymeric tubing



TUBING

PTFE, FEP, AND ETFE TUBING

Polymeric tubing is square cut and ready to use. Each package of polymeric tubing contains one piece of the specified length.

See also PEEK tubing, pages 69-71.

1/16" OD polymeric tubing

.006" ID		.010" ID		.015" ID		.020" ID		.030" ID	
Prod No		Prod No		Prod No		Prod No		Prod No	
PTFE									
5 meters	TTF106-5M	TTF110-5M		TTF115-5M		TTF120-5M		TTF130-5M	
10 meters	TTF106-10M	TTF110-10M		TTF115-10M		TTF120-10M		TTF130-10M	
25 meters	TTF106-25M	TTF110-25M		TTF115-25M		TTF120-25M		TTF130-25M	
.010" ID		.020" ID		.030" ID					
Prod No		Prod No		Prod No					
FEP									
5 meters	TFEP110-5M	TFEP120-5M		TFEP130-5M					
10 meters	TFEP110-10M	TFEP120-10M		TFEP130-10M					
25 meters	TFEP110-25M	TFEP120-25M		TFEP130-25M					
ETFE									
5 meters	TTZ110-5M	TTZ120-5M		TTZ130-5M					
10 meters	TTZ110-10M	TTZ120-10M		TTZ130-10M					
25 meters	TTZ110-25M	TTZ120-25M		TTZ130-25M					

1/8" OD polymeric tubing

.030" ID		.060" ID		.085" ID	
Prod No		Prod No		Prod No	
PTFE					
5 meters	TTF230-5M	TTF260-5M		TTF285-5M	
10 meters	TTF230-10M	TTF260-10M		TTF285-10M	
25 meters	TTF230-25M	TTF260-25M		TTF285-25M	
.060" ID					
Prod No					
FEP					
5 meters	TFEP260-5M				
10 meters	TFEP260-10M				
25 meters	TFEP260-25M				
ETFE					
5 meters	TTZ260-5M				
10 meters	TTZ260-10M				
25 meters	TTZ260-25M				

CLEAN-CUT

TUBING CLIP – THE LC TUBING ORGANIZER

The tubing clip holds 1/16" and 1/8" polymer tubing precisely where you want them in your beakers, flasks, bottles, etc. up to 4 mm wall thickness. The stainless steel spring ensures a long lifetime.



Package of 5: Prod No

Tubing clip JR-9001-5

CLEAN-CUT POLYMER TUBING CUTTER

For leak-free tubing connections in an LC system, right angles and clean cuts are essential. The Clean-Cut makes burr-free perpendicular cuts on polymeric tubing without distorting the outside diameter or closing the inside diameter. The handy pocket-sized tool features a unique safety locking mechanism to secure the blade when not in use.



Prod No

Clean-Cut tubing cutter	JR-797
Replacement blade	JR-798

→ SEE ALSO

PEEK tubing
Natural page 69
Color-coded 70-71
Striped 71

i CUSTOM LENGTHS

Custom lengths of PTFE, FEP, and ETFE tubing up to 75 meters available on request. Additional charges may apply.

i TUBING POLYMERS

- PTFE** Inert; very soft, easily cold flows. Produced as Teflon®
- FEP** Chemically resistant like PTFE, but lower creep and higher friction. More transparent than PTFE.
- ETFE** Resistant to most chemical attack; some chlorinated solvents will cause tubing to swell. Produced as Tefzel®

↔ CONVERSIONS

10 ft	≈	3.05 m
25 ft	≈	7.62 m
100 ft	≈	30.48 m



METAL TUBING, BULK QUANTITIES

Bulk metal tubing is not electrolytically cut or cleaned. The annealing process provides tubing which is sufficiently clean for most chromatography applications. (See note at left for cleaned custom-length tubing.)

To order, specify the length required in 1 meter increments.

360 µm OD metal tubing

BULK QUANTITIES

	75 µm ID Prod No	150 µm ID Prod No
316 stainless	TSS360075	TSS360150

CLEANED CUSTOM LENGTH TUBING

You can order custom length tubing which has been electrolytically cut, deburred, and steam cleaned. Please contact VICI or your local distributor for product numbers and pricing.

The maximum lengths available depends on the ID of the tubing:

Tubing ID	Max length
.005"	90 cm
.007"	150 cm
.010"	300 cm
.020"	600 cm
.026"	1200 cm
.030"	1500 cm
>.030"	1500 cm

CONVERSIONS

50 µm	≈ .002"
75 µm	≈ .003"
100 µm	≈ .004"
125 µm	≈ .005"
150 µm	≈ .006"
0.25 mm	≈ .010"
0.50 mm	≈ .020"
0.75 mm	≈ .030"
1.0 mm	≈ .040"
1.5 mm	≈ .060"
2.0 mm	≈ .080"
4.6 mm	≈ .180"
6.0 mm	≈ .236"
6.4 mm	≈ .253"
7.0 mm	≈ .275"
10.0 mm	≈ .400"
27.0 mm	≈ 1.08"
1/32"	≈ 0.8 mm
1/16"	≈ 1.6 mm
1/8"	≈ 3.2 mm
1/4"	≈ 6.4 mm
3/8"	≈ 9.5 mm
1/2"	≈ 12.7 mm

1/32" OD metal tubing

BULK QUANTITIES

	.005" ID Prod No	.007" ID Prod No	.010" ID Prod No	.020" ID Prod No
316 stainless	TSS.505	TSS.507	TSS.510	TSS.520
Nickel 200	—	—	TNI.510	TNI.520

1/16" OD metal tubing

BULK QUANTITIES

	.005" ID Prod No	.010" ID Prod No	.012" ID Prod No	.015" ID Prod No
316 stainless	TSS105	TSS110	TSS112	TSS115
Hastelloy C	—	THC110		
Nickel 200	TNI105	TNI110		

	.020" ID Prod No	.026" ID Prod No	.030" ID Prod No	.040" ID Prod No
316 stainless	TSS120	TSS126	TSS130	TSS140
Hastelloy C	THC120	—	THC130	THC140
Nickel 200	TNI120	—	TNI130	TNI140

1/8" OD metal tubing

BULK QUANTITIES

Type 316 stainless tubing is also available in .010 and .020" ID's.

	.030" ID Prod No	.040" ID Prod No	.060" ID Prod No
316 stainless	TSS230	TSS240	TSS260

	.067" ID Prod No	.085" ID Prod No
316 stainless	TSS267	TSS285

Also available in Hastelloy C, Nickel 200, and Inconel 600. Call for a quote.



TUBING

PRE-CUT STAINLESS TUBING

These packages of pre-cut Type 316 stainless tubing provide an economical solution to the problems that are caused by “seat-of-the-pants” cutting in the lab or field. They are priced to give a savings over the charge for custom-cut tubing.

All tubing is electrolytically cut and specially steam-cleaned with micro-filtered steam from deionized water, which removes both organic and inorganic contaminants.



1/32" OD stainless tubing

PRE-CUT KITS

Length	.005" ID Prod No	.010" ID Prod No	.020" ID Prod No
<i>2 pieces per package</i>			
5 cm	T5N5D	T5N10D	T5N20D
10 cm	T10N5D	T10N10D	T10N20D
20 cm	T20N5D	T20N10D	T20N20D
30 cm	T30N5D	T30N10D	T30N20D
50 cm	T50N5D	T50N10D	T50N20D
100 cm	—	T100N10D	T100N20D
<i>10 pieces per package</i>			
5 cm	T5N5-10	T5N10-10	T5N20-10
10 cm	T10N5-10	T10N10-10	T10N20-10
20 cm	T20N5-10	T20N10-10	T20N20-10
30 cm	T30N5-10	T30N10-10	T30N20-10
50 cm	T50N5-10	T50N10-10	T50N20-10
100 cm	—	T100N10-10	T100N20-10
<i>50 pieces per package</i>			
5 cm	T5N5-50	T5N10-50	T5N20-50
10 cm	T10N5-50	T10N10-50	T10N20-50
20 cm	T20N5-50	T20N10-50	T20N20-50
30 cm	T30N5-50	T30N10-50	T30N20-50
50 cm	T50N5-50	T50N10-50	T50N20-50
100 cm	—	T100N10-50	T100N20-50
<i>100 pieces per package</i>			
5 cm	T5N5-100	T5N10-100	T5N20-100
10 cm	T10N5-100	T10N10-100	T10N20-100
20 cm	T20N5-100	T20N10-100	T20N20-100
30 cm	T30N5-100	T30N10-100	T30N20-100
50 cm	T50N5-100	T50N10-100	T50N20-100
100 cm	—	T100N10-100	T100N20-100

TECH TIP

Fifty years of experience have shown that the particles left in poorly cut tubing are the number one cause of valve damage.

CONVERSIONS

5 cm	≈	1.97"
10 cm	≈	3.94"
20 cm	≈	7.87"
30 cm	≈	11.82"
50 cm	≈	19.68"
100 cm	≈	39.37"

0.12 mm	≈	.005"
0.25 mm	≈	.010"
0.50 mm	≈	.020"
0.75 mm	≈	.030"

1.0 mm	≈	.040"
1.5 mm	≈	.060"
2.0 mm	≈	.080"

4.6 mm	≈	.180"
6.0 mm	≈	.236"
6.4 mm	≈	.253"

7.0 mm	≈	.275"
10.0 mm	≈	.400"

27.0 mm	≈	1.08"
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1/32"	≈	0.8 mm
1/16"	≈	1.6 mm
1/8"	≈	3.2 mm

1/4"	≈	6.4 mm
3/8"	≈	9.5 mm
1/2"	≈	12.7 mm



1/16" OD stainless tubing

PRE-CUT KITS

Length	.005" ID Prod No	.010" ID Prod No	.020" ID Prod No	.030" ID Prod No	.040" ID Prod No
<i>2 pieces per package</i>					
5 cm	T5C5D	T5C10D	T5C20D	T5C30D	T5C40D
10 cm	T10C5D	T10C10D	T10C20D	T10C30D	T10C40D
20 cm	T20C5D	T20C10D	T20C20D	T20C30D	T20C40D
30 cm	T30C5D	T30C10D	T30C20D	T30C30D	T30C40D
50 cm	T50C5D	T50C10D	T50C20D	T50C30D	T50C40D
100 cm	—	T100C10D	T100C20D	T100C30D	T100C40D
<i>10 pieces per package</i>					
5 cm	T5C5-10	T5C10-10	T5C20-10	T5C30-10	T5C40-10
10 cm	T10C5-10	T10C10-10	T10C20-10	T10C30-10	T10C40-10
20 cm	T20C5-10	T20C10-10	T20C20-10	T20C30-10	T20C40-10
30 cm	T30C5-10	T30C10-10	T30C20-10	T30C30-10	T30C40-10
50 cm	T50C5-10	T50C10-10	T50C20-10	T50C30-10	T50C40-10
100 cm	—	T100C10-10	T100C20-10	T100C30-10	T100C40-10
<i>50 pieces per package</i>					
5 cm	T5C5-50	T5C10-50	T5C20-50	T5C30-50	T5C40-50
10 cm	T10C5-50	T10C10-50	T10C20-50	T10C30-50	T10C40-50
20 cm	T20C5-50	T20C10-50	T20C20-50	T20C30-50	T20C40-50
30 cm	T30C5-50	T30C10-50	T30C20-50	T30C30-50	T30C40-50
50 cm	T50C5-50	T50C10-50	T50C20-50	T50C30-50	T50C40-50
100 cm	—	T100C10-50	T100C20-50	T100C30-50	T100C40-50
<i>100 pieces per package</i>					
5 cm	T5C5-100	T5C10-100	T5C20-100	T5C30-100	T5C40-100
10 cm	T10C5-100	T10C10-100	T10C20-100	T10C30-100	T10C40-100
20 cm	T20C5-100	T20C10-100	T20C20-100	T20C30-100	T20C40-100
30 cm	T30C5-100	T30C10-100	T30C20-100	T30C30-100	T30C40-100
50 cm	T50C5-100	T50C10-100	T50C20-100	T50C30-100	T50C40-100
100 cm	—	T100C10-100	T100C20-100	T100C30-100	T100C40-100

CLEANED CUSTOM LENGTH TUBING

You can order custom length tubing which has been electrolytically cut, deburred, and steam cleaned. Please contact VICI or your local distributor for product numbers and pricing.

The maximum lengths available depends on the ID of the tubing:

Tubing ID	Max length
.005"	90 cm
.007"	150 cm
.010"	300 cm
.020"	600 cm
.026"	1200 cm
.030"	1500 cm
>.030"	1500 cm

VOLUME CHART

Tubing ID	Volume		Tubing ID	Volume	
	μl/cm	μl/in		μl/cm	μl/in
.005"	0.13	0.32	.030"	4.56	11.58
.010"	0.51	1.29	.040"	8.11	20.59
.015"	1.14	2.90	.060"	18.24	46.33
.020"	2.03	5.15	.070"	24.83	63.06
.025"	3.17	8.04	.085"	36.61	92.99

Typical ID tolerances for our tubing are $\pm .001$ ". This is much tighter than normal commercial grades of tubing; however, it is enough to result in noticeable error if exact volumes are not measured.



Equipamientos Analíticos S.A

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